Outdoor Research

Our intent at Outdoor Research is to design and manufacture innovative products of the highest quality which are truly functional, reasonably priced, and as versatile as possible.

I've made that statement at the beginning of each of our three previous catalogs. It's the sort of statement you'd expect from the founder of any small company trying to convince people that it makes good stuff. It doesn't carry much weight, though, compared to the track record of the products themselves. It has now been more than eight years since I started OR, and the track record established by our products is one that I am proud of. In terms of innovative features, high-quality materials, durability, versatility, and value for the money our products have proven themselves to be second to none.

This has not happened by chance. Prototypes for our new products are rigorously field tested hiking, climbing, skiing, or travelling from hotel room to hotel room on a business trip if that's what's appropriate. We try to subject each mitt, gaiter, organizer pouch, or first aid kit to all the same actions and activities that the consumer might. We try to see it through their eyes, and thus make a product that really **works.** We seldom get it right the first time. Or often even the tenth time. But we get it right before we start selling it. Expedition Modular Mitts, for example, were in development for almost a year, required 18 levels of prototyping, and were rigorously tested in cold temperatures by Carlos Buhler on Kanchenjunga and by me on a January trip to the Brooks Range before we were satisfied. We try very hard to avoid the practice of so many companies who sell products that aren't fully developed and then use the feedback from unhappy consumers to help design next year's "new improved" version. We have made some refinements here and there over the years, but I'm proud of the fact that not even our earliest products have needed to change much since they were originally released.

back row: Ron, DeNova, Maria, Marilou, Phil, Mark
front row: Randy, Kiersten, Garth, Cindy

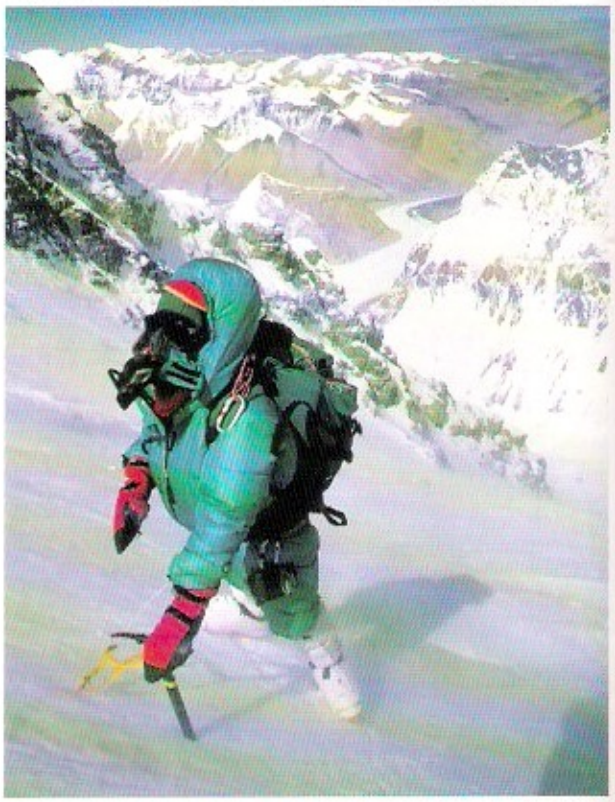
I'm also very proud of the people we have here. You can't build a good company without good people, and we have them. This page isn't big enough to show the whole crew, but we have managed to get our management and supervisory staff into the photos.

back row: Connie, Larry, Ute front row: Alice, Ofie, Ma

We not only expend a lot of energy on development and testing, we put a great deal of effort into production and quality control. We do make mistakes, but very few of them manage to slip out the door. Outdoor Research products are guaranteed against defects in materials or construction without any time limit.

Although few of our products have been developed especially for the hard-core mountaineer, some of them are suitable for extreme mountain conditions. Our mitts, hats, supergaiters, water-bottle insulators, and first aid kits (and possibly several other products) have been to the top of several of the world's toughest peaks. Of course we're rather happy about that, and I'd like to thank all of the climbers who've given us feedback from their expeditions and/or photos of OR gear in action. Among those that I would especially like to thank for their contributions since our third catalog are Mark Twight, Carlos Buhler, Bill McClure, and Greg Child; Scott Fischer, Mimi Stone and the other members of the 1987 American Everest North Face Expedition; and also Jim Frush, Don Goodman, Peggy Luce, Stacy Allison and the other members of the '88 Northwest American Everest Expedition.

Mimi Stone at 27,000' on Everest. Photo by Michael Graber



More than anything else, we want people to be satisfied with our products. We therefore welcome any feedback, be it criticism or praise. And we welcome any questions you might have about any of our items. Please feel free to call or write us any time.

Ron Gregg, president

Distribution of our products outside of the US and Canada is now occuring to some extent. In addition to the distributors listed below, there are a few dealers in Japan and New Zealand who carry some of our items.

In Europe:

Sperwer Outdoor Equipment
Lodistraat 113
B-8042 Hertsberge
Belgium

tel. 050 - 827 101
fax. 050 - 827 089

In Australia:

Intertrek
291 Sussex Street
Sydney, NSW, 2000

tel. 02 - 267 3639
fax. 045 - 725 869

Intertrek
#1 Carrington Road
Box Hill, 3028, Victoria

tel. 03 - 898 3742
fax. 03 - 899 5398

cover photo: *Mt. Dickey drops a chunk of glacier 4000 feet into the Ruth Gorge.*

TRAVEL KIT, TRAVEL POUCH

It is ironic that our first products intended primarily for **indoor** use should be so incredibly popular. A huge number of consumers obviously like the intelligent selection of travel-sized containers, toiletries, and other small necessities packed in these versatile pouches. They probably also love the convenience of having everything right at their fingertips when the pouch is zipped open. And they no doubt appreciate the extra little touches, like the hang-up hook and the removable mirror.

For contents, we've selected items that are the most useful for making life easier while traveling, and we've obtained them in sizes that are appropriate for a compact kit. This will save the traveller a good deal of time and energy before and during the trip. We have also tried to make it easy for each user to customize the kit to some extent by providing pill vials for personal medications, a case for a toothbrush, empty squeeze bottles for things like hand lotion, and so on.

The pouches themselves were designed from the ground up to be optimal for this type of kit. Available separately for those folks who wish to assemble a completely personalized travel kit, the **Travel Pouches** are loaded with special features. The waterproof upper pocket is suitable for stashing a damp wash cloth. The zippered mesh pocket keeps all its contents visible for easy access. The fold-out section in the two larger pouches organizes many small items and keeps them out of the general jumble. The corrosion-proof hang-up hook makes it very convenient to hang the pouch on doors, towel bars, bathroom cabinets, and so forth. Each pouch is made from rugged 8-oz. pack cloth to withstand years of abuse. And each pouch is made in one of our 8 fashionable colors so that it will be an attractive accessory on a trek, vacation, or business trip anywhere in the world.

selecting a kit

The Compact Kit is great for hikers or travellers of any kind who travel really light. Or for those folks who have the bulky items stored in a larger bag (such as our Personal Tote) and want to have all the little items organized separately. The big volume of the Deluxe Kit is ideal for anyone who wants to include a travel hair dryer, an electric razor, or both, in their travel kit. And the Standard Kit is, of course, perfect for everyone else.

sizes:

compact	4½″ x 9″ x 2″ =	80 cu. in.
standard	5″ x 9½″ x 2½″ =	120 cu. in.
deluxe	6″ x 11″ x 4″ =	265 cu. in.

colors: 8 assorted

contents:

compact	standard & deluxe
2 2-oz. Squeeze Bottles	2 2-oz. Squeeze Bottles
1 2 oz. Travel Suds	1 2-oz. Travel Suds
1 2-oz. Shampoo	1 2-oz. Shampoo
1 1-oz. Shaving Cream	1 1-oz. Shaving Cream
1 Toothbrush Holder	1 ½-oz. Deodorant
1 Safety Razor	1 Toothbrush Case
3 Wash-up Towelettes	1 Toothpaste
3 Pill Vials	1 Safety Razor
7 Blank Labels	1 Comb
1 Removable Mirror	1 Tweezer
	1 Nail Clipper
	1 12-yd. Dental Floss
	3 Wash-up Towelettes
	1 Miniature Sewing Kit (11 items)
	1 Basic First Aid Packet (19 items)
	3 Pill Vials
	7 Blank Labels
	1 Removable Mirror

TRAVEL SIZES

For those people who wish to make up their own travel kits, or who need to refill their old kits, we offer this small plastic bag containing a selection of the items most often used up.

contents:

1 2-oz. Travel Suds
1 2-oz. Shampoo
1 1-oz. Shaving Cream
1 ½-oz. Deodorant
6 Wash-up Towelettes

HIDE-A-WAY POUCH

Passports, airline tickets, travellers cheques, cash, credit cards, vaccination certificates, and itineraries all fit nicely in this slim pouch. Its webbing strap velcros on at each end to provide the traveller with several modes of use: it can be worn around the neck, under the arm, or around the waist. Or the strap can be pulled off completely and the pouch tucked away like a wallet in coat pocket, travel bag or purse. The pouch is backed with ultra-soft Dryline fabric so that is will always feel dry and comfortable against the skin, no matter how tropical the surroundings.

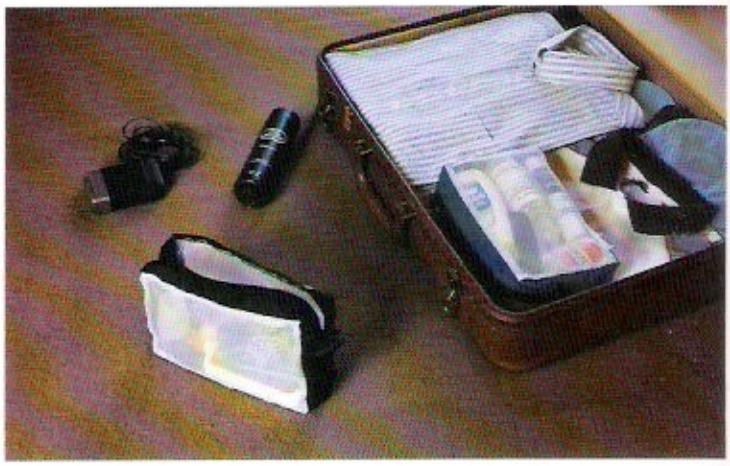
Since the cover flap velcros shut, the pouch is lighter and less bulky than passport pouches that zip. Access to the contents is also much improved: the pockets open all the way to the edges so that nothing will catch when being inserted or removed. All in all we're confident that our Hide-A-Way Pouch is the niftiest, most versatile, and most practical product of its kind available anywhere!

size: 4½″ x 9″ **colors:** 8 assorted

BELT POUCH

Not your usual cheapo addition to a line of accessories, our belt pouch boasts a couple of advanced features which make it a truly versatile performer. First off, the heavy-duty belt loops can be opened at one end so that the pouch may be attached to pack belts having buckles much too large to slip through normal belt loops. In addition, the faces of the pouch are padded with removable closed-cell foam. With the foam in place, a small camera, personal stereo, or pair of binoculars can be carried with confidence. Remove the foam and the interior of the pouch has a closable slash pocket on each side of the central cavity.

size: 2½″ x 4½″ x 6½″ **colors:** 8 assorted



NET POUCH

Equally at home on the road or on the trail, this economical catch-all replaces stuff sacks and ditty bags for carting around an infinite variety of small objects. Nylon mesh on both sides allows nothing to hide, and dual zipper sliders provide instant access to any item without digging around. The rectangular shape prevents the contents from becoming the usual spherical blob and thus promotes more convenient packing of suitcases and backpacks. The **Net Pouch** (and each of the other pouches on this page) is available in our full spectrum of pack cloth colors—see Portable Pockets.

size: 2½″ x 5″ x 7½″ **colors:** 8 assorted

PORTABLE POCKETS™

These zippered envelopes are the most basic of organizer pouches. They are ideal for organizing and protecting a myriad of more-or-less flat articles. The small size is the same as the pouch used for our Mini First Aid Kit. The large size will easily accommodate a notebook of regular 8½ x 11 paper. To facilitate color-coding, we make **Portable Pockets** in our full spectrum of pack cloth colors, which currently includes bright red, royal blue, slate grey, navy blue, burgundy, fuschia, turquoise, and black.

sizes: **colors:** 8 assorted

small	5″ x 7″
medium	7″ x 10″
large	10″ x 14″

MESH PORTABLE POCKETS

What you see is what there is, and the seeing is made possible by the extra-rugged flat-weave black mesh that we use on the faces. Other than the mesh, these are the same sizes and colors as our regular Portable Pockets.

DELUXE PORTABLE POCKETS

More pockets and more zippers turn our simplest organizers into somewhat more versatile performers. Size M has two zipper and two pockets. Size L goes a step further with three zippers and four pockets.

sizes: medium ..... 7″ x 10″
large ..... 10″ x 14″

colors: 8 assorted

TRAVELLERS HEALTH KITS

If you've journeyed far from home, but haven't left civilization completely behind, you're going to see some sort of doctor if you suffer a serious injury. But for treating all sorts of **minor** ailments, you'd prefer to avoid going to an unknown medical practitioner. Which is why we've created these three new **Travellers Health Kits.** Each kit is packed with the sort of medications and first aid items most likely to be needed by vacationers, businessmen, trekkers, and other travellers to keep them on the go and out of the local health clinic.

If you compare these kits to our regular first aid kits, you'll see that we've left out the heavy-duty items such as wire splints and bandage compresses. Instead we've concentrated on covering all the minor first aid needs and added medications for such things as fever, cough, indigestion, and that universal bane—travellers diarrhea. Progressing from smaller to larger kit, we cover a somewhat wider range of potential maladies and provide greater depth of possible treatment, so that a traveller can select a kit that is appropriate for the journey. Someone trekking in Nepal would probably be best served by the largest kit, while a person taking the family to Disney World might find the smallest kit to be suitable.

The most important item included with each of these kits is a terrific little booklet written, at our request, specifically for travellers by Dr. Stephen Bezruchka, author of Trekking in Nepal. Published by Mountaineer Books, **The Pocket Doctor** covers virtually every health and first-aid related subject of interest to the traveller, including immunizations, preventive medications, water treatment, jet lag, motion sickness, and all of the usual first aid topics. It should prove indispensible for tourists in London or trekkers in the third world.

The pouch for the small kit is entirely new, while the medium and large kits utilize our Small and Large Outdoor Organizer respectively. All three kits are available in our usual eight assorted colors.

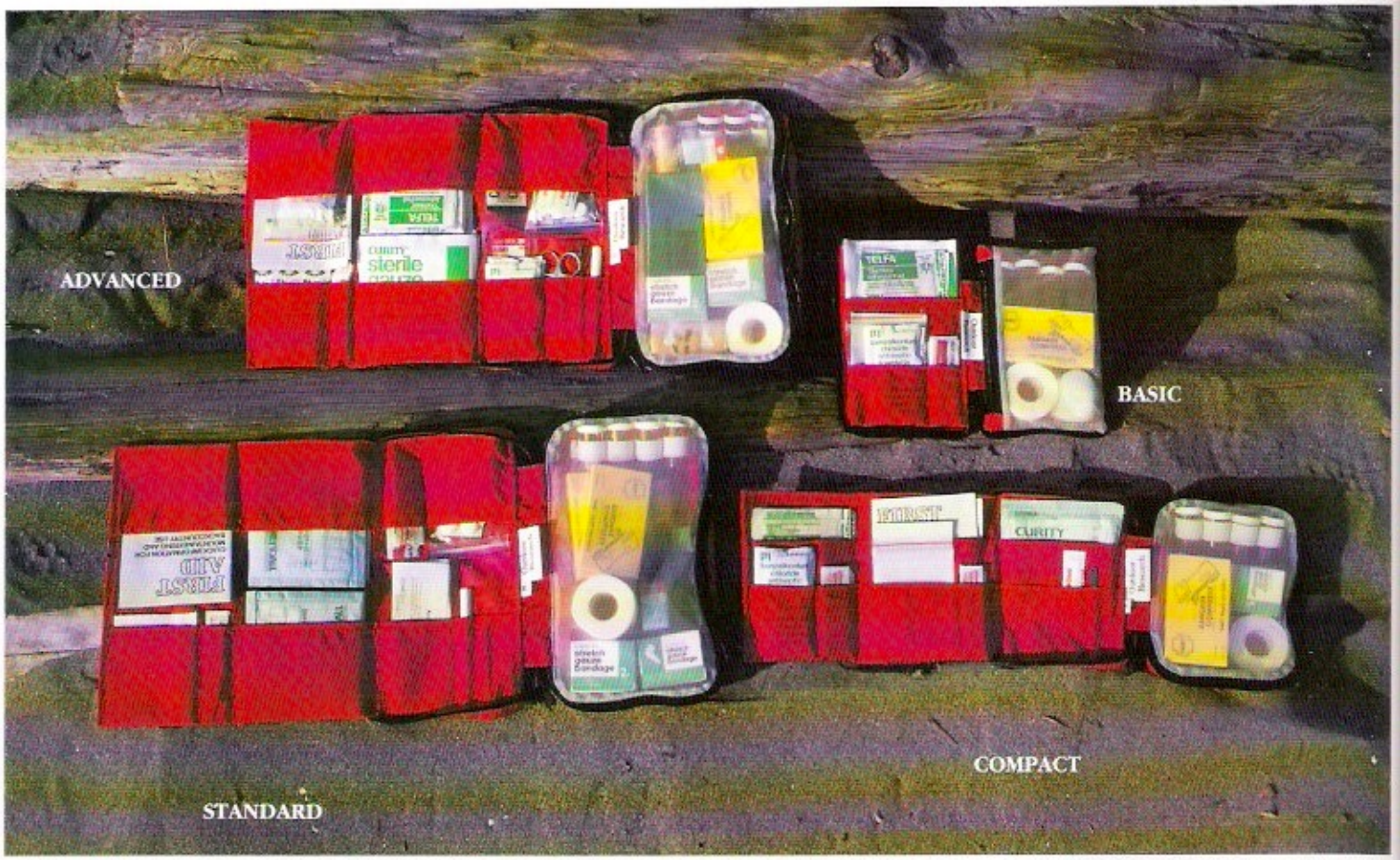
CONTENTS

Description	Quantity per Kit S	M	L
The Pocket Doctor	1	1	1
Water purification tablets	–	50	50
Anti-diarrheal tablets	10	20	24
Electrolyte replacement tablets	10	20	20
Analgesic tablets	12	12	24
Antacid tablets	6	6	12
Decongestant tablets	6	6	12
Antihistamine tablets	–	–	6
Cough-control lozenges	4	4	8
Sore Throat lozenges	–	4	4
Pill vials	4	4	4
Blank labels	7	7	7
¾″ Bandages	6	6	8
1″ Bandages	6	6	8
XL Bandages	–	–	4
fingertip bandages	–	2	4
knuckle bandages	–	2	4
butterfly bandages	–	–	6
3x3 gauze pads	–	2	4
3x4 Telfa pads	2	2	4
eye pads	–	1	2
1″x 5 yd gauze roll	1	–	–
2″x 5 yd gauze roll	–	1	1
½″ adhesive tape	1	1	–
1″ adhesive tape	–	–	1
moleskin, 3½″x 3½″	–	1	2
3″ elastic bandage	–	–	1
needle	1	1	1
razor blade	1	1	1
First aid tweezers	–	1	1
thermometer	–	1	1
anti-bacterial towelettes	4	4	6
antibiotic ointment pkts	3	3	6
cortisone cream, 1 oz	–	–	1

MINI FIRST AID KIT

Though diminutive in size, this little kit packs considerable power for dealing with all sorts of cuts, scrapes, burns, blisters, slivers, headaches, and so forth. Its impressive selection of materials, though not sufficient for treating major injuries, is ideal for dozens of everyday occurrences requiring minor first aid. And the pouch has plenty of room for adding supplies to prepare for additional problems. Small enough to pack in purses, briefcases, daypacks, fanny packs, tackle boxes, handlebar bags, flight bags, hunting jackets, or glove compartments, the **Mini First Aid Kit** will prove to be useful almost anywhere.

1	Adhesive Tape, ½" x 2½ yds.	4	Antibacterial Towelettes
2	Telfa® Sterile Gauze Pads, 2" x 3"	2	Antibiotic Ointment Packets
6	Band-Aids®, ¾" x 3"	1	Needle
2	Knuckle Bandages	1	Razor Blade
2	Fingertip Bandages	12	Analgesic tablets
1	Moleskin, 3" x 4"		



FIRST AID KITS

The tens of thousands of people who have acquired one of these four **First Aid Kits** over the past several years would agree that they are the best available anywhere. In terms of organization, versatility, and convenient access they are unbeatable. With these kits you never have to dig around to find what you're after, never have to lay half the contents out on the ground, and never have to struggle to get them back in the way they were. By comparison, a kit packaged in a stuff sack or plastic box is archaic and obnoxious to use.

With regard to contents, these are serious kits for people who wish to be genuinely prepared for medical emergencies. They contain top-quality first aid supplies, but are priced just as low as possible. In fact, each kit retails for less than what it would cost the consumer to assemble the kit himself. A task which could prove to be very time consuming, since several of the items (such as bandage compresses, wire splints, and porous tape) are generally unavailable in drug stores and are difficult to purchase in small quantity from medical supply houses. Furthermore, several of the items (such as tincture of benzoin and antibacterial soap) **are** sold in drug stores, but only in large containers or in glass bottles, which would require re-packaging in small plastic bottles. As a result, the purchaser of one of these kits stands to save a significant amount of time and money.

Each **O.R. First Aid Kit** has plenty of room for additional supplies, so the user can tailor it to his own particular purposes. Each kit comes with a large hang tag which lists the contents, suggests items that might be added, and explains why one would wish to buy such a kit.

Contents listed on next page . . .

THE BASIC KIT

The minimum kit with enough supplies to treat serious injury. Packed in our extra-small pouch, it isn't as large as many paperback novels, but it's a lot more useful! Small and light enough to take on any outing—bicycling, fishing, cross-country skiing, day-hiking, picnicing, etc., etc. Weighs 8 oz.

- 6 Adhesive Bandages, 1″ x 3″
- 2 Gauze Pads, 4″ x 4″
- 2 Adhesive Pads, 3″ x 4″
- 1 Bandage Compress, 4″
- 1 Roller Gauze, 1″ x 5 yd.
- 1 Adhesive Tape, porous, 1″ x 10 yd.
- 1 Moleskin, 3″ x 4″
- 1 Needle
- 1 Razor Blade
- 4 Antibacterial Towelettes
- 1 Zip-top Plastic Bag
- 4 Pill Vials

THE COMPACT KIT

The appropriate personal-size kit for most people. Well suited for hiking, camping, and boating in any type of small boat. Fits neatly into small watertight boxes available everywhere. Weighs 14 oz.

- 6 Adhesive Bandages, 1″ x 3″
- 6 Adhesive Bandages, ¾″ x 3″
- 4 Butterfly Bandages
- 4 Gauze Pads, 4″ x 4″
- 4 Adhesive Pads, 3″ x 4″
- 1 Bandage Compress, 4″
- 1 Roller Gauze, 1″ x 5 yd.
- 1 Adhesive Tape, porous, 1″ x 10 yd.
- 1 Moleskin, 3″ x 4″
- 1 Triangular Bandage, 40″
- 1 Tweezers
- 1 Needle
- 1 Razor Blade
- 6 Antibacterial Towelettes
- 1 Zip-top Plastic Bag
- 4 Pill Vials
- 1 Accident Report Form
- 1 First Aid Information Booklet

THE STANDARD KIT

The ideal size for family camping. Contains all the materials needed to treat serious accidents that kids are likely to have, and has plenty of room to add supplies to handle minor problems. Also an excellent first aid kit for individuals who travel more than a few hours away from civilization. Contains all the supplies recommended by The Mountaineers. Weighs 21 oz.

- 12 Adhesive Bandages, 1″ x 3″
- 6 Butterfly Bandages
- 6 Gauze Pads, 4″ x 4″
- 1 Bandage Compress, 4″
- 2 Roller Gauze, 2″ x 5 yd.
- 1 Adhesive Tape, porous, 2″ wide
- 2 Moleskin, 3″ x 4″
- 1 Triangular Bandage, 40″
- 1 Wire Mesh Splint
- 1 Thermometer
- 1 Tweezers
- 1 Needle
- 1 Razor Blade
- 1 Antibacterial Soap, 1 oz.
- 1 Tincture of Benzoin, 2 oz.
- 12 Analgesic Tablets
- 6 Antacid Tablets
- 1 Zip-top Plastic Bag
- 4 Pill Vials
- 1 Accident Report Form
- 1 First Aid Information Booklet

THE ADVANCED KIT

Contains sufficient bandaging materials and instruments to deal effectively with severe lacerations and broken bones which might be encountered in an automobile accident or a fall while climbing. Complete enough to serve as the medical kit for a group of people on a trip. Weighs 2 lb. 2 oz.

- 10 Adhesive Pads, 3″ x 4″
- 4 Adhesive Bandages, 2″ x 3½″
- 10 Adhesive Bandages, 1″ x 3″
- 4 Adhesive Bandages, knit, 1″ x 3″
- 10 Adhesive Bandages, ¾″ x 3″
- 4 Fingertip Bandages
- 4 Knuckle Bandages
- 6 Butterfly Bandages
- 3 Suture Strips
- 2 Eye Pads
- 10 Gauze Pads, 4″ x 4″
- 1 Bandage Compress, 4″
- 2 Roller Gauze, 2″ x 5 yd.
- 1 Adhesive Tape, porous 2″ x 10 yd.
- 2 Moleskin, 3″ x 4″
- 1 Triangular Bandage, 40″
- 1 Elastic Bandage, 3″ wide
- 1 Wire Mesh Splint
- 1 pr Vinyl Examining Gloves
- 1 Bandage Scissors, stainless steel, 3½″
- 1 Forceps, stainless steel
- 1 Thermometer
- 1 Needle
- 1 Razor Blade
- 4 Safety Pins
- 10 Cotton Swabs
- 6 Antibacterial Towelettes
- 1 Antibacterial Soap, 1 oz. plastic bottle
- 1 Tincture of Benzoin, 1 oz. plastic bottle
- 1 Antibiotic Ointment, 1 oz. tube
- 50 Analgesic Tablets
- 8 Antacid
- 8 Antihistamine
- 20 Salt Tablets
- 4 Pill Vials
- 2 Zip-Top Plastic Bags
- 2 Accident Report Forms
- 1 First Aid Information Booklet

FIRST AID POUCHES & OUTDOOR ORGANIZERS™

Our **First Aid Pouches** are a whole lot better than the usual cheap plastic box, bag, or stuff sack for assembling and carrying first aid supplies. They organize the contents in an intelligent fashion, prevent them from being jumbled up during transit, and zip open to display everything for instant access when needed. The four sizes available are identical to the pouches in which we package the four first aid kits listed on the previous page. All are bright red and have the bold white "FIRST AID" silkscreen emblazoned on the front to make them easy to find in an emergency. Sizes S, M, & L also come complete with 4 pill vials and a 3″ x 4″ zip-top bag for storing tiny items such as safety pins, needles, and razor blades.

Our **Outdoor Organizers™** are identical in size and layout to our First Aid Pouches, but come in an assortment of colors, and don't have pill vials or zip-top bags. They do have belt loops, however, so that they can be slipped onto a pants belt (or our **Black Belt™**) if so desired. As one can see from the photo, there are a great many items which fit neatly into these pouches. These are the things which normally tend to get scattered throughout luggage, packs, duffel bags, and cars. Gathering such articles together in one of our organizers not only saves a lot of search time, it also helps avoid damage to the objects themselves. Whether it's toiletries, camping accessories, photographic paraphernalia, small instruments, survival materials, or even first aid supplies, there isn't a more versatile and convenient way to organize and protect such small but important items than an Outdoor Organizer.

features

- Soft-sided pouches are tremendously versatile—they compress flat when empty, but expand to accommodate that last crucial item even when full.
- Full-zip closure facilitates quick access to contents, and unlike simple fold-up pouches, it totally prevents them from slipping out.
- Wide assortment of pocket sizes in each pouch (including big slash pockets next to the faces) makes it easy to stash a huge variety of low-profile articles.
- Unique mesh-covered, zippered compartment stores bulky items so that they are fully visible and instantly available, yet prevents them from falling out when the pouch is spread open.
- Pouches are made from waterproof fabric so that they may be spread out on snow or soggy ground without damage to the contents.
- We make these pouches in our usual extra-heavy-duty fashion utilizing 8-oz. pack cloth, YKK zippers, and bomb-proof stitching. These little guys will last a **long** time.

sizes:

XS	5″ x 8″ x 1″ =	40 cu. in.
S	5″ x 7″ x 2″ =	70 cu. in.
M	6″ x 11″ x 2″ =	130 cu. in.
L	6″ x 11″ x 3″ =	200 cu. in.

TOTES

The next three pages are devoted to a group of closely-related items designed for transporting and protecting various paraphernalia ranging from toiletries to skis. Each of these products features a straight-forward, uncluttered designed, yet incorporates enough innovative features to enable it to function uncommonly well. The particular virtues of each Tote are detailed below, but a few significant features common to all should be mentioned here. Each will accept a shoulder strap via D-rings or webbing loops on each end. Access is facilitated by unusually long zippers, so there is never a struggle getting things in and out of a too-small opening. YKK zippers are used throughout—tough #5 zippers on the smaller items, and bombproof #10 zippers on the larger ones. Heavily coated, US-made fabrics of the highest quality available are used on each Tote. Generally, 11-oz Cordura is utilized for the main body, to provide maximum resistance to abrasion, and 8-oz packcloth is used on the tops, where its greater flexibility provides easier access. The Cordura is jet black and the packcloth comes in our usual 8 colors:

red, blue, navy, grey, black, burgundy, turquoise, and fuschia

BRIEFCASES

Our briefcases are intended for toting paperwork and other office-related materials when the size, weight, and hard-edged clunkiness of a regular briefcase are not wanted. The **Standard Briefcase** (F in the photo below) features a 2½"-wide central compartment which is large enough to hold standard computer print-outs. It also has two full-sized zippered pockets, and a small, angled pocket in front that is a handy spot for pens, pencils, paper clips, and calculators. The **Basic Briefcase** (E) consists of the two front pockets from its larger brother. It will easily hold an inch-thick sheaf of papers.

Basic: 11" x 16" **Standard:** 11" x 16" x 3"

PERSONAL TOTES

Our **Basic** and **Deluxe Personal Totes** pictured at right are ideal for shaving kits, toiletries, cosmetics, or a myriad of other small personal items. The Basic Personal Tote is quite basic, consisting of one large compartment formed by Cordura and packcloth, with a single long zipper and a handle on the end. In addition to the above the Deluxe Personal Tote features a complete silver lining, four elastic loops to hold things like deodorant or shaving cream, and a fully-lined external zippered pocket. Both Personal Totes are the same size and shape as our Mini-Tote.

MINI-TOTE™, SPORT-TOTE™, TRAVEL-TOTE™, & SUPER TOTE™

These four were designed to perform the usual functions of basic duffel bags, but to perform those functions a lot better than typical duffels. The flat, rectangular bottoms on these Totes put them functionally far ahead of standard round duffles: packing is much improved and the contents don't get scrunched up when the bag is carried. Also, since the zipper extends well down the ends of each Tote, the top opens far wider and access is far easier than it is with a normal duffel.

The **Super-Tote** (D) is sized for carrying really **big** loads. The **Travel-Tote** (C) is the appropriate size and shape for airline carry-on luggage. The **Sport-Tote** (B) is perfect for aerobics gear, tennis shoes and clothes, running stuff, and so on. And the **Mini-Tote** (A) makes a great little catch-all bag.

sizes:	Mini-Tote	— 250 cu. in.		Travel-Tote	— 2200 cu. in.
	Sport-Tote	— 850 cu. in.		Super-Tote	— 4700 cu. in.

MESH-TOPPED TOTES

These versions of our **Sport-Tote™**, **Travel-Tote™**, and **Super-Tote™** feature heavy mesh tops, packcloth bottoms, and a zippered outside pocket on the end of each. The **Mesh-Topped Sport-Tote™** will allow sweaty clothes to air out before they become really disgusting. The other two **Mesh-Topped Totes** make excellent take out bags for kayaking, water skiing, snorkeling, or wind surfing. The solid bottoms keep water, sand, and other grunk from getting all over the car and the house. They also permit the Totes to be set down in the sand or dirt without gathering up great quantities of said sand or dirt the way that all-mesh duffels do. The mesh tops allow the contents to dry without being removed. Which is advantageous if it will be quite a while before you reach home, or if you neglect to take everything out of the bag for several days after getting home, as some of us are prone to do.

HIKING-BOOT-TOTES

Hiking boots have a profound tendency to become disgustingly wet and muddy. One of our **Hiking-Boot-Totes** is the perfect solution to the problem of keeping the dirt and water off of nearby packs, clothing, carpeting, and so forth. In fact, it's the perfect all-around storage container for hiking boots, provided that the zipper is left open long enough for the boots to fully dry after each outing. We make Hiking-Boot-Totes in sizes medium and large (items G and H in the photo on p. 9) for smaller and larger boots. They are very similar to our **Ski-Boot-Totes,** but have less height and more length to correspond to the shapes of hiking boots.

SKI-BOOT-TOTES

Bags for carrying ski boots have been around for a long time. Most of them are very cheaply made and have the name of a Famous Ski Manufacturer emblazoned on the side. These aren't and don't. **Ski-Boot-Totes** (K & L in the photo on p. 11) are made from 11-oz Cordura and 8-oz packcloth, are stitched with nylon pack thread, and boast YKK #10 zippers—these Totes will tolerate many years of abuse. They are carefully sized and shaped to hold ski boots in the normal upright position, both while being carried and when set down. There's enough room in one for gloves, hats, and goggles as well. The Ski-Boot-Tote will prevent snowmelt from migrating to nearby clothing or carpeting. Furthermore, a **Ski-Boot-Tote** will be a very convenient and color-coordinated companion to a **Ski-Shuttle** and a **Travel-Tote** for carrying all of one's ski gear and clothing between car and ski lodge.

ROCK-SHOE-TOTE

This offshoot of our Hiking-Boot-Tote is made for carting climbing shoes around and keeping their super-sticky soles clean. It is specially sized for rock-climbing shoes (naturally) and is constructed from packcloth in several bright color combinations. An external mesh pocket on the end makes a good place to stash keys, watches, etc. while on the rock. The **Rock-Shoe-Tote** also serves as a dandy cover for shoes of any kind that have to be stuffed into luggage along with clean clothes.

DELUXE SKI-BOOT-TOTE

This is the middle child in our family of Totes designed for transporting ski boots; it is midway in sophistication between the **Ski-Boot-Tote** and the **Park-City-Tote.** Like the Ski-Boot-Tote, the Deluxe model carries boots in their normal upright position, but it has a lot of extra space for parkas, pants, and sweaters. Clothing is separated from boots by a padded divider. The divider velcros in, so its position can be shifted back and forth to fit snugly against boots of greatly different sizes. The divider could also be removed completely, leaving a single large-capacity cargo space. The side walls and bottom of the Deluxe Ski-Boot-Tote are padded as well, so the bag holds its shape even when empty. As an added benefit, the foam padding positively prevents ski boots from inflicting painful bruises on the legs of the person toting them around.

size: 20″ long x 9″ wide x 14″ high

PARK-CITY-TOTE™

Let's face it—this is a piece of soft luggage. It will comfortably carry a pair of alpine ski boots and enough clothing of all kinds for a weekend at the lodge. Ski boots slip into the narrow compartment. Clothing is packed suitcase-style in the large compartment, where dual cross straps hold it neatly in place. Hats, gloves, sunscreen, and other accessories can be stashed in the full-width outside pocket. The side-by-side arrangement of clothing and boots gives the **Park-City-Tote** a relatively narrow profile which makes it more comfortable to carry. It also means that the boots cannot bang against the leg the way they do with bags in which the boots are stowed crosswise. In fact the bottom and sides of both compartments are padded with medium-stiffness foam so that nothing is going to bang against the leg. Since it compresses easily, the Park-City-Tote can be used as carry-on luggage, if it isn't packed too full. And it can be used, of course, to transport climbing equipment and outerwear, vaction paraphernalia and travel togs, or a great variety of other gear and clothing not intended for downhill skiing. As with all of our Totes, one of our shoulder straps can be clipped to the D-rings on the ends to further facilitate easy carrying.

size: 20″ long x 12″ wide x 14″ high

SKI-SHUTTLES™

A ski bag should be large enough to hold a pair of skis and a pair of poles. It should have a very long zipper to make it simple to get the skis in and out. The zipper should be extra strong to endure the repeated stress of zipping around such an odd-shaped bundle. It ought to have a storm flap to prevent the zipper from freezing solid while the skis are being transported on top of a car. It would be nice if there were handles at the balance point of the skis (**not** in the center of the bag!) for convenient carrying. D-rings for attaching a shoulder strap are almost a necessity. If 4 Cinch-Straps were added to keep everything in a neat bundle without any flapping strap ends or buckles to hassle with, it would be the most advanced ski bag made. It would be our **Ski-Shuttle** ski bag ("I" in the photo below). If enough volume was added so that it could carry two pairs of downhill skis and poles, it would be our Double **Ski-Shuttle** (J).

SHOULDER STRAPS — 1″ & 2″

These straps feature non-snagging, non-corroding Delrin hardware throughout. They are extra long so that a heavily-loaded bag may be carried comfortably from the **opposite** shoulder. And they adjust at **both** ends (with heavy-duty Delrin sliders) so that the range of adjustment is very large. The 1″ strap is nice for carrying the Sport-Tote or Standard Briefcase like a shoulder bag. The 2″ strap is a real arm-saver for hauling a Super-Tote or Park-City-Tote through an airport.

SKI BINDING COVER

This is not a Tote, but I need to sneak it in here with other ski-related items. It is not pictured either, so the following description will have to suffice. It is simply a long tube of 8-oz packcloth with a full-length zipper and shock cord at each end. Prior to transporting your skis on top of the car, you put them together base to base and zip the **Ski Binding Cover** around the entire binding area of both skis. The shock cord closes each end of the cover around the skis and keeps out all the grit and grunk that could otherwise get in the bindings while on the road.

OUTDOOR KITCHEN KITS & POUCHES

The convenience and organization offered by our **Compact** and **Deluxe Outdoor Kitchen Kits** has made them both enormously popular. Each provides the utensils and small storage containers that two people would need for a hiking, camping, fishing, or cycling trip, though the Deluxe kit is geared toward somewhat fancier cooking than the Compact kit. Both kits contain two full sets of super-tough Lexan polycarbonate tableware and an intelligent selection of the most useful sizes of small containers. These little containers are great for cooking oil, vinegar, spices, powdered milk, honey, soy sauce, coffee, instant cocoa, salt, pepper, butter, sugar and so forth. The slash pocket in each kit makes an ideal location for paper towels, recipes or seasoning packets. Both kits have enough extra space to add a few things like soap, a lighter, a pot lifter, or a small towel.

With either kitchen kit zipped open, all the cooking and eating utensils, spices, condiments, and cleanup accessories are right at the cook's fingertips. Everything is visible and ready for instant access so as to make the outdoor chef's chores as enjoyable as possible. The Outdoor Kitchen Kits eliminate all that digging around in packs and stuff sacks trying to find that little bottle of seasoning that you just know you put in somewhere! And they put an end to worry about whether or not the necessary utensils were actually packed for the trip. Using these kits will definitely increase the pleasure of any culinary efforts in the outdoors.

As with all of our kits, we make the pouches themselves available separately for those people who wish to put together their own kits. The **Kitchen Pouches** are versatile enough to use for many kinds of kits, but are ideally suited to outdoor cooking kits.

	compact	deluxe
sizes:	4½" x 9" x 2"	6½" x 11½" x 2"
contents:	2 Lexan Knives	2 Lexan Knives
	2 Lexan Forks	2 Lexan Forks
	2 Lexan Spoons	2 Lexan Spoons
	1 Can Opener	1 Can Opener
	1 Wire Wisk	1 Wire Wisk
	1 Scrubber Sponge	1 Scrubber Sponge
	1 Salt and Pepper Shaker	1 Salt and Pepper Shaker
	2 ½-oz. Polycons	2 ½-oz. Polycons
	2 1-oz. Round Bottles	2 1-oz. Round Bottles
	2 2-oz. Squirt Bottles	2 2-oz. Squirt Bottles
	1 Pancake Turner, mini	2 2-oz. Oval Bottles
		4 5-dram Vials
		4 Measuring Spoons
		1 Serving Spoon
		1 Pancake Turner

BACKPACKER'S PANCAKE TURNER & SPOON

We have designed and produced unique backpacking-sized turners and serving spoons for our Outdoor Kitchen Kits, and we also offer these items separately. Though they are smaller than full-sized kitchen utensils, they are plenty big enough to be fully functional in the camp kitchen. The blade on the heat-resistant nylon turner will easily flip fried eggs or medium-sized pancakes. And the bowl on the serving spoon actually has greater volume than some of the full-sized plastic serving spoons available in stores.

CAMPWARE

Light-weight, super-tough, totally corrosion-proof Lexan polycarbonate is a terrific material to make into tableware for camping or picnicing. So terrific that it is rapidly becoming ubiquitous. For those folks who don't yet have any, or who need more, we offer this place setting for one in an attractive package at an attractive price. 'Nuff said.

MINI-CONTAINER SET

Anyone who needs to stock an outdoor kitchen kit, a travel kit, or a first aid kit will find a hundred uses (well, at least 10) for the little plastic containers in this set. All containers are the highest quality and can be used to store food or medications. The squirt tops and plain tops can be interchanged among any of the six bottles.

contents:

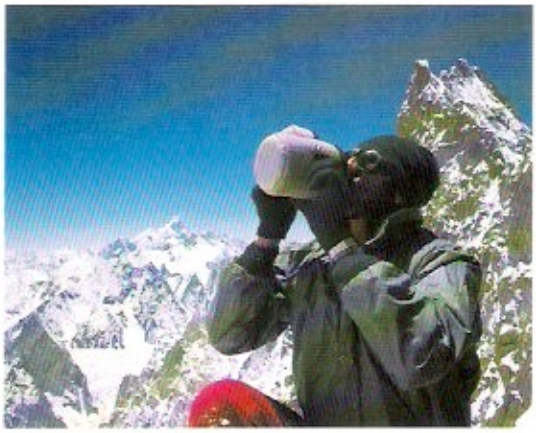
- **2** 2-oz Round Bottles
- **2** 2-oz Oval Bottles
- **2** 1-oz Round Bottles
- **2** 2-oz Polycons
- **2** Pill Vials
- **10** Blank Labels

WATER-BOTTLE PARKA™, MINI-COOLER™, & 6-COOLER™

These innovative soft-coolers were designed by a physicist to be light weight, compressible, economical, and yet provide excellent thermal performance. Insulation is provided by the same ultra-light, low-conductivity urethane foam that we utilize in our supergaiters. This foam has greater thermal resistance than thinsulate or other fiber fills and is substantially thicker and more effective than the insulation in typical soft coolers. The cover fabric, which we had made for us expressly for this line of products, is a silvery oxford cloth with a heavy waterproof coating. Though the silvery fabric has considerable eye appeal, its real benefit is its high reflectivity, which helps keep things cool in direct sunlight. Also in the interest of maximum thermal efficiency, each of these coolers is carefully constructed so that when zipped shut the foam in the lower section is pulled up snugly against the foam in the upper so as to prevent any convective heat flow at the zipper.

The **Water-Bottle Parka™** is worn by legions of performance-conscious water bottles the world over. The climber's bottle pictured at right in the Karakoram Range will stay unfrozen all day long in the Himalayan cold. Other bottles don the Parka to keep juice cool for several hours of hot-weather hiking. Or to keep hot chocolate warm for lunch on a ski tour. With its jaunty hood zipped down tight and its hefty webbing loop ready to hook on waist belts or pack straps, the Water-Bottle Parka is the modern water bottle's attire of choice for all climates.

The **Water-Bottle Parka** fits Nalgene, Huntersdorf, and all other round 1-quart or 1-liter water bottles. It won't make any of them work as well as a vacuum bottle, but they'll perform very well indeed. Besides, it weighs only 3 ounces, can be stuffed in the pocket of a pack, and won't suffer any damage if it happens to get dropped off a cliff!



High on Gasherbrum IV. Greg Child photo.

The **Mini-Cooler™** is sized to fit perfectly around the medium-sized plastic picnic boxes that are so popular today. It can also be used by itself, of course. In either case it will keep fruit or sandwiches cool on summer outings, and prevent chocolate bars from melting or cheese from becoming oily during hot-weather hikes. If someone wants to be really popular on a ski-tour, a sushi-box full of sukiyaki or stew kept warm in a Mini-Cooler makes a big hit at lunchtime. The Mini-Cooler will also insulate three 12-oz. cans, two 1-pint water bottles, or one 32-oz. rectangular water bottle.

The **6-Cooler™** is ideal for toting a half-dozen 12-oz. cans of "your favorite beverage" to the beach or the tennis courts, on day hikes or picnics. With a freeze-pack inside it will keep the drinks ice-cold all day in the blazing sun. It works especially well with the new freeze packs that are shaped to nestle between 6 cans. It has also proven to be fairly popular as a substitute for the standard clunky, uninsulated lunch box.

BOTTLE-TOTE™

A little bag for carrying a water bottle on one's belt is hardly a great new idea. Our **Bottle-Tote** does improve on the concept somewhat, however: the belt loop opens up so that the tote can hook to a pack belt or pants belt without undoing the belt. This is especially nice if the aforementioned belt happens to have a buckle that is too big to fit through normal belt loops! Our belt loop closes with enormous patches of YKK's super-aggressive hook and loop, so the bottle won't unceremoniously part company with the belt at some inopportune moment.

HYDROSEAL™ STUFF SACKS

There are dozens and dozens of **cheap** stuff sacks on the market, but almost no **good** ones. When we finally decided to offer stuff sacks it was with the determination that they would be more than just good ones, they would be the very best. In fact we have endeavored to do even more than that: we are trying to make the best stuff sacks available anywhere in each of three distinct price ranges. Our **Basic Hydroseal Stuff Sacks** are very high quality but are quite simple: they have a drawcord and a generous dust flap at the open end and a webbing handle at the other end. Our **Standard Hydroseal Stuff Sacks** have, in addition to the aforementioned features, a row of webbing loops on the side for lashing onto packs. In addition, all of their seams are sealed with seam tape to prevent any water from seeping through. Our **Advanced Hydroseal Stuff Sacks** go the full distance by featuring a dry-bag-style roll-down closure so that they may be carried through torrential downpours without any worry that water will leak into the down sleeping bag inside.

The majority of stuff sacks are characterized by flimsy fabric, weak seams, undersized dust flaps, and a coating that isn't very waterproof to start with and which quickly begins to flake off. **Hydroseal Stuff Sacks** possess none of these deficiencies. The unique **Hydroseal** coated fabric that we developed combines a 4-oz Antron-nylon oxford cloth with our special **"Hydroseal-200"** elastomeric coating. The fabric itself, in addition to being uncommonly pretty, affords a great deal more protection for the stuff sack's contents than does the lighter-weight taffeta generally used. Despite its toughness, it is soft enough that it gathers nicely when the stuff sack is cinched up. The Hydroseal-200 coating is waterproof to more than 200 psi, will not begin to peel even after being soaked for several days, won't crack at -40°, and will withstand an amazing amount of physical abuse without any deterioration. In fact, extensive use that we have given test sacks over the past 18 months on a bike trip to Costa Rica, cross-country ski trips to the Ruth Gorge near Mt. McKinley, and to the Brooks Range (with temperatures down to -38°C), and on various climbs in the Cascades has shown the coating to be astonishingly tough. The only damage of any sort that has appeared thus far is a tiny nick inflicted by a screwdriver that was carried, along with the other bike tools, in a #1 stuff sack for 10 days! It is clear that a **Hydroseal Stuff Sack** will be doing a great job of protecting a sleeping bag, tent, or clothing for years after a cheapo stuff sack has been retired.

We offer each of the three series of stuff sacks in 8 sizes. This large selection means that there is an appropriate size for practically any stuffable item. Size #1 is ideal for such things as a down vest or Gore-Tex shell parka. #4 is the standard size for typical backpacking-weight sleeping bags, while #6 will accommodate a large rectangular bag with synthetic fill. The longer shapes of #7 and #8 fit tents of various sizes.

colors: Royal Blue, Red, Black, Silver, and Turquoise

	dimensions	volume (cu in)
#1	6" x 11"	300
#2	7" x 13"	500
#3	8" x 15"	750
#4	9" x 17"	1100
#5	11" x 18"	1700
#6	13" x 19"	2500
#7	7" x 20"	800
#8	7½" x 28"	1250

DIMENSIONS ARE DIAMETER X LENGTH WHEN FILLED AND CLOSED UP

DITTY BAGS

Ditty bags are virtually a necessity for organizing a multitude of small items in packs and luggage. We make ours in three sizes and two constructions—**Hydroseal** coated fabric and a tough flat-weave black mesh. The **Hydroseal** ditty bags are well-suited to small articles of clothing that must be kept dry, or for wet things that would get the rest of the stuff in the pack wet. The mesh bags are ideal for food and other items where ready visibility is an advantage.

	dimensions	volume (cu in)
S	3½" x 7"	85
M	4" x 9"	145
L	4½" x 11"	225

SLEEPING PAD CARRY SACKS

We make these from a tough, 4-oz coated nylon oxford cloth to provide a high level of puncture and abrasion protection for expensive inflatable sleeping pads. There is a set of lash tabs on each one to help keep the slippery pads attached to packs or luggage.

	dimensions	pads that fit
XS	5½" x 12"	**Therm-a-Rest** "Ultra-lite" ¾ length (folded)
S	6½" x 12"	**Therm-a-Rest** "Ultra-Lite" long (folded)
M	5" x 22"	**Therm-a-Rest** "Standard" ¾ length and "Ultra-lite" long
L	6½" x 22"	**Therm-a-Rest** "Standard" long and **Equalizer** ¾ length
XL	7½" x 28"	**Therm-a-Rest** "Camprest" long and **Equalizer** full-length

DIMENSIONS ARE DIAMETER X LENGTH IN USE DRAWN CLOSED

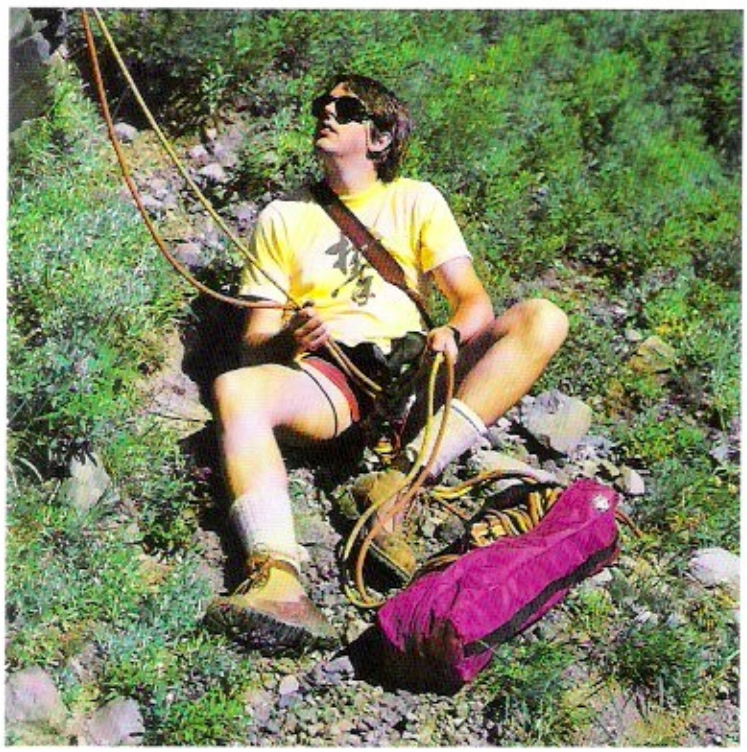
X-C WAX POUCH™

This pouch is perfect for organizing and carrying a wax kit for cross-country skiing. It features several elastic loops for hard waxes and klisters, loops for a waxing cork and a rag, and a slash pocket for scrapers, waxing guides, and so forth. In addition, it comes with a 2-oz. squeeze bottle for hand cleaner or wax remover. Belt loops are standard of course, along with dual zipper sliders so that when worn on the belt the pouch may be opened exactly as far as is convenient.

size: 2½" x 5" x 7½" **colors:** 8 assorted

CRAMPON POUCH

For years we noodled around with the idea of making a really good pouch for storing and transporting these obnoxiously shaped, sharp-pointed objects, but the limited market always made the project seem somewhat pointless. Now that we've gone ahead and done it anyway, we have come up with a pouch that is so versatile (and so reasonably priced), that we may actually sell a few. It does a great job with crampons, and the four lash tabs on the back let it double as a side pocket on virtually any pack made. The heavy-duty plastic end and bottom not only protect gear from the ravages of crampon points, but also make the pouch a natural for carrying other clunky articles like ice screws, tent pegs, and MSR stoves! The full-opening double-slider zipper makes it a breeze to get stuff in and out; the little zippered pocket on the end is great for crampon tools and spare screws; and the daisy chain on top will ensure that the pouch doesn't slip away while lashed to a pack.



CLIMBING ROPE BAG

Our rope bag is one of those items that a climber can go without for years and not feel a really pressing need, but once he gets one he can't imagine how he ever got by without it! Gone forever are the hassles of coiling the rope. Gone also are the resultant twists and kinks. No longer will the rope hang up in brush or cracks when thrown down the cliff prior to a rappel. Nor will it come to an embarrassing, tangled halt 30 feet away from the throwing hand. Never again will loops of rope hanging loosely off the pack grab at passing tree branches. And of course, as with less-sophisticated bags, our rope bag will do a lot to protect the rope from dirt when pitched onto the ground, from grease when pitched into the car trunk, and from UV when carried from place to place.

The shape and features have been carefully designed so that our bag is uncomplicated, is simple to use, and does everything it's supposed to do very very well. It zips all the way open from end to end to make it trivial to lay the rope in or take it out. The locking slider will hold the bag open the proper amount so that the rope will feed out smoothly when thrown. We use a huge #10 YKK zipper with a full flap so that it will withstand years of rough use. There is a handle at the end for throwing the bag. There is a large loop just inside that same end for tying the rope ends. The daisy chain down the side will keep the rope in place when lashed to a pack. The bag is sized to lash neatly across the top of most medium-to-large packs, and to the side of most full-sized packs.

Our bag will easily accommodate an 11mm rope 50m long or two 9mm ropes 50m long. It comes with instructions for maximizing its usefulness and minimizing rope handling problems.

TENT STAKE BAG & TENT POLE BAG

Nothing spectacular here, just good solid little bags for those hard, pointy objects that go along with a tent. Both bags have handy hook-and-loop closures at the top which will keep even the skinniest pole or stake from sneaking out. Both are made from assorted colors of 8-oz. pack cloth for longevity. And the pole bag has a series of loops along the side so that it may be lashed to a pack with reasonable expectation that it will still be there at the end of the hike!

stake bag: 4″ x 11″ **pole bag:** 5″ x 32″

TENT REPAIR KIT

Our combined decades of experience in and around tents guided us in selecting materials for this "first aid kit for tents". We have included all the items needed for effective repair of any injury that might be inflicted on one's portable domicile. This versatile little kit will also prove to be indispensible for field repair of packs, parkas, rain gear, sleeping bags, ski poles, and other abused equipment. The kit's header card has complete instructions and slips neatly into the ziplock bag.

contents:
Adhesive-backed ripstop fabric
Adhesive-backed taffeta fabric
Mosquito netting
Needle
Thread
Cloth-supported repair tape
Aluminum splint for tent poles, etc.
Braided Dacron utility cord

STERNUM STRAP KIT

A sternum strap allows a considerable portion of the pack load to be transferred to the chest. It greatly increases the pack's stability for skiing, scrambling, hiking off-trail and so on. And it prevents the shoulder straps from slipping off when going downhill quickly. For these reasons the majority of high-quality full-size packs sold today include one. For the multitude of other packs that would benefit from a sternum strap we make this kit. It features 1″ nylon webbing and a Delrin quick-release buckle, and it installs easily with a pair of Delrin dual sliders.

BLACK BELT™

A Wax Pouch, Belt Pouch, Outdoor Organizer, or anything else with belt loops, will carry much more comfortably, and flap around a lot less, on our wide **Black Belt** than it will on a narrow pants belt. The Black Belt is made from 2″-wide black webbing and utilizes a high-tech Delrin quick-release buckle. One side of the fully-adjustable buckle can be taken off so that the belt can be threaded through relatively narrow belt loops.

ACCESSORY STRAPS

There are a lot of colorful but low-quality straps on the market. These aren't them. These are top-quality straps featuring high-strength 1″ nylon webbing and Delrin Cam-Loc buckles. These buckles will never corrode and will never slip under normal loads, no matter how often the strap goes slack and no matter how much the object they're used on is vibrated. Available lengths are 24″, 36″, 48″, and 60″.

CROCODILES™

As the name connotes, **Crocodiles** are something new in the world of gaiters: they are the first fitted gaiters whose size can be adjusted to fit tightly on boots of different sizes. A single pair of these form-fitted gaiters will accommodate all the boots a given person wears for hiking, climbing, or cross-country skiing.

This adjustability is made possible by a full-length front closure using 2"-wide hook-and-loop. Changing the amount of overlap of the closure changes the bottom circumference of the gaiter, permitting it to fit properly on a wide range of boot sizes and shapes.

Additional benefits derive from the front opening design. Along the bottom edge of the gaiter there are no gaps at all through which snow could be forced up. Access to socks and boot laces is extremely easy. And these gaiters are uncommonly easy to put on and remove.

Ruggedness is built into every aspect of **Crocodiles**. The lower section is constructed from super-coated waterproof Cordura and is lined with waterproof 8-oz. pack cloth. The coatings face each other so that they will never be worn away. The leg section is available in either uncoated pack cloth or tough Taslan Gore-Tex. The instep strap is die-cut from nylon-supported neoprene. And perhaps most important of all, the hook-and-loop front closure will never ever jam, break, or refuse to operate easily the way zippers do after they've been banged around for a while on other gaiters.

Crocodiles boast several other advanced features: The top closure is our proven strap-and-buckle system for the ultimate in comfort and reliability. The instep strap is very wide where it attaches, providing a bomb-proof seal against the concave inner surface of the boot. A loop is sewn on for tucking in the loose end of the instep strap so that it won't flop around. And as a final refinement, the bottom edge of the gaiter is cut asymmetrically so that it will sit evenly after the instep strap is pulled tight through the buckle.

In designing these gaiters we attempted to rectify every short-coming of the fitted gaiters currently available. We feel that we have succeeded to the point that **Crocodiles™** are far and away the finest gaiters made today.

Crocodile Size	Approximate Boot Size Range
XL	11-15
L	9-11
M	7-9
S	5-7

Crocodile colors:

BIG CROCS™

These gaiters are the same height as size XL Crocodiles but boast an extra inch of circumference to accommodate guys with big feet wearing double boots and pile pants. Anyone too big to fit into **Big Crocs** should be playing pro football and have all of their gear custom made!

AT-GAITERS™

For a couple of years there wandered around in my head a vague vision of what a really good downhill skiing gaiter should look like. It wouldn't be the baggy, elasticized tube that seemed to be the only choice on the market. Somehow it would be snug and trim and accommodate the wide disparity in circumferences between bulky boots and lean legs. I never actually made an attempt at the design, however, until our Northwest sales rep Karl Kohagen started bugging me about the need for a good alpine touring gaiter. A lot of the alpine touring boots (and many of the telemark boots) in use these days have buckles at the ankles, like downhill ski boots, and about the only gaiters you could get to fit over them were the same baggy, elasticized tubes seen at the ski areas. Which is not so good when you switch from skis to crampons to do a peak in the middle of your alpine tour. Since the problems were the same from a gaiter's point of view, and since it was the only way to get Karl off my case, I went ahead and designed the **AT-Gaiter.™**

Everyone was surprised at how well they actually work. I don't know why.

They're really very simple. Just wrap one around your leg and zip the zipper. Tighten the bottom Cinch-Strap around your boot, and snug up the other two around your leg. Voila!.

There's no need for an instep cord of any kind since the bottom Cinch-Strap holds the gaiter in place below one of the buckles. It also makes a tight seal around the boot to keep snow out. The colorful fabric panel forms a huge gusset to provide lots of size adjustment, and the zipper disappears under one side of the gusset when the Cinch-Straps are tightened. The uncoated Cordura used for the main body of the gaiter lets out perspiration while fending off crampon points and ski edges. And, since there's no instep cord, AT's can be rotated to any position so that the gusset panel (which we make in an assortment of colors) can be forwards, to the side, or even at the back if that suits your personal style. Simple.

The end result is just what I was after: a snug-fitting gaiter for buckle boots that won't catch crampon points all the time, that seals out snow when plunge-stepping, and which stays put in nasty sliding falls.

X-GAITERS™, Models S & ME

The most versatile of all gaiters, **X-Gaiters™** will keep feet warm and dry whether hiking in a summer rain or skiing deep winter snow. They provide more insulation around a cross-country ski boot than any other supergaiter or tour bootie. And they make excellent waterproof coverings for virtually any hiking boot.

X-Gaiters are available in two models: the original model **"S"** which is best suited for hiking and general ski-touring; and the newer model **"ME"**, which is great for climbing, snowshoeing, alpine touring, and telemark skiing. The ME is basically a more rugged version of the model S, but it is also cut fuller around the foot and ankle to accommodate bulkier boots.

X-Gaiters were designed by a scientist to protect and insulate the entire boot upper while leaving the sole exposed. Only an "X" of tough, nylon-covered shock cord crisscrossing at the instep extends below the welt. The boot sole retains full traction for hiking or climbing, and there is no fabric or webbing underneath to interfere with the fit of boot to binding or ski. Or to wear and fray and subsequently cause snow to build up under foot.

The shock-cord "X" system is the key to the X-Gaiter's performance and versatility. The elasticity of the shock cord, coupled with the directions that it pulls, allows the gaiter to seal snugly around the forward part of even the most flexible ski boot. The seal around the forefoot is important, for if the front has cutaway sections (as many tour-booties do), then skiing can force snow in, where it will melt all over the boot. The elasticity and adjustability of the shock cord enables each size X-Gaiter to install without struggling on a much wider range of boots than any other supergaiter. The durability of the shock cord system is also higher than that of most any rubber gasket system. The shock cord is surprisingly rugged, and if it does get chopped on sharp rocks it can be quickly tied together or replaced on the spot.

In fact, X-Gaiters have several important advantages over rubber-gasket-type supergaiters other than just durability. They are lighter. They have much more insulation, which also extends down much closer to the welt. A given size will fit a much wider range of boots. They won't crush the toe of lighter boots. They offer size adjustment around the leg and ankle to accommodate thicker or thinner pants. And the toe can be hooked down positively so that it won't slip up while kicking steps. For these reasons our supergaiters are finding themselves on more and more serious backcountry skiers and mountaineers. Here's what Greg Child had to say about them after wearing a pair of model ME's to the top of Gasherbrum IV:

> "The gaiters were very warm and useful for technical high altitude climbing—we encountered rock up to 5.9. They never came off, unlike Yeti gaitors or other types, and after thirty days of continuous use remain almost unscathed."

- Tough Taslan Gore-tex in the leg section allows perspiration from the foot and leg to escape.
- The wide, full-length hook-and-loop front closure permits instant access to socks and shoelaces without having to release the top strap. It provides a considerable amount of adjustment to accommodate big boots or bulky pants. It makes the X-Gaiter very simple to put on and take off. And it simply can't ice-up or break like a zipper.
- The wide strap used in the top closure is far more comfortable and secure than any drawstring. The Delrin Cam Buckle utilized on the model S is easy to operate, even with mittens on, while the fancy hook-and-loop system employed on the model ME offers the ultimate in quick, one-hand closing. The low profile of the ME system means there is no hard lump to fall on when telemarking.
- The nylon webbing toe-tab fits under the ski binding bail to positively hold the X-Gaiter down over the boot toe even on shoes with a protruding welt.
- Wire or cord can be attached to the instep and toe grommets to hold the gaiter down tightly to the boot welt when hiking or climbing on snow.

features

In addition to the above, X-Gaiters possess a combination of sophisticated features not found in any other gaiters:

- The foot section is constructed from dual layers of Super-K-Koted waterproof fabric. Inner and outer layers of the model S are 8-oz. pack cloth, while the ME boasts an outer layer of 11-oz. Cordura to withstand the slicing action of Metal-Edged skis.
- A full ½" of removable, ultralight foam insulation in the foot section permits the user to adjust the X-Gaiter's warmth to suit current conditions. The Model ME is also supplied with ⅛" closed-cell foam which is advantageous for use with crampon straps or snowshoe bindings.

Steve Ruoss on Everest's Lhotse face. Photo by John Petroske

fitting

Each X-Gaiter will fit a wide range of boot sizes. Ideally, one should select the size gaiter which fits tightly around the welt of the largest boots on which they would be worn. If the gaiters are then used with much smaller boots, the shock cord can be tied off shorter and an instep cord added. Though the welt circumferences are identical, model S is cut to fit best on hiking and general ski-touring boots, while model ME is cut fuller to fit bulkier climbing, alpine touring, and telemarking boots.

X-Gaiter Size	Approximate Welt Circumference Range	Approximate Boot Size Range	
		U.S.	Metric
XL	27"-32"	10-14	44-50
L	25"-29"	8-11½	41-46
M	23"-27"	6-9	37-42
S	21"-25"	4-7	34-38

BROOKS RANGERS™

Brooks Rangers have something of a split personality. Worn over climbing boots they are the best overboots in the world. Worn over inner boots, running shoes, Polarguard booties, or multiple pairs of socks they are excellent mukluks. This versatility, which is made possible by the Cinch-Strap over the top of the instep, was deliberately designed in so that the same product could be used as overboots by climbers on very cold, high altitude peaks or could be used as mukluks by mushers and other travellers in the arctic. Many climbers will avail themselves of both uses, of course, by wearing them as overboots while climbing and as mukluks around camp.

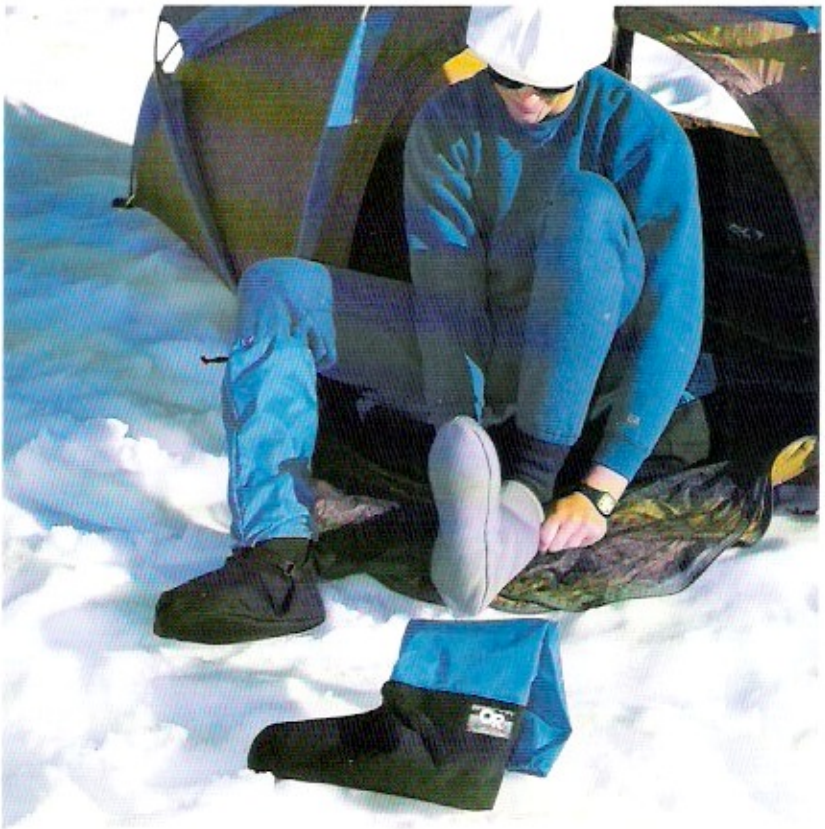
Another primary feature of **Brooks Rangers™** that will be popular with cold-weather alpinists is the ability to use them with crampon bindings without having to cut any holes in them. This is made possible by two design features: 1) the thick foam insulation is removable so that it may be trimmed at the heel and toe if necessary, and 2) the rand is relatively thin and flexible. Thus the toe bail and heel clamp of crampon bindings are able to snug solidly into the boot welt notch right through the rand material. The rand consists of a layer of heavy-duty Cordura lined with a layer of packcloth, so it is still far more durable than the rubber rands used on most overboots and supergaiters. I doubt that every combination of boot and crampon binding will function satisfactorily with Brooks Rangers, but all of the popular combinations that I've tried appear to work just fine. As a fairly severe test, I used a pair of Light Fangs for some climbing in Alaska in combination with my Asolo Yukons, which have **very** little sole protrusion for the binding to hook on, and, despite my best efforts, I was unable to dislodge the crampons!

Above the rand Brooks Rangers are very similar to our model ME X-Gaiters, and offer all the attendant benefits of that design. Among these are a Taslan Gore-Tex leg section, easy-access front opening, and a sophisticated Cinch-Strap top closure that will quickly velcro closed with one mitt-covered hand. Like ME's they are also supplied with two sets of removable foam insulation (one open-cell set for use with clamp-on bindings and one closed-cell set for use with straps) each of which provides greater insulation than found in any other overboots.

Besides the Cordura rand discussed above, features unique to the Brooks Rangers include a full Cordura sole, removable Poron insulation in the sole, and the Cinch-Strap across the instep. The Cordura sole is extremely durable and offers good traction on hard, icy snow. Poron is used for insulation in the sole despite its high cost because it offers excellent insulation value, will tolerate exceedingly low temperatures, and can be walked on every day for years without losing any thickness. It can be removed if necessary for improved fit of certain crampons on some boots. The Cinch-Strap is the key element in the use of Brooks Rangers as mukluks—when cinched down it snugs the mukluks around the foot, prevents them from slopping around, and makes it possible to walk with sure step, even up a significant snow slope.

The size chart for Brooks Rangers is very approximate and shows substantial overlap between sizes because there is a great variation in the actual physical dimensions of the boots on which they will be used. Size L, for example, will fit comfortably around most size 11 single boots, but one would normally move up to size XL for a size 11 double boot.

overboot size	approximate boot size range
XL	10 - 14
L	8 - 11
M	6 - 9
S	4 - 7



MODULAR MUKLUKS™ & MOONLITE PILE SOX

When you're out camping in the snow it's really nice to be able to pull something quickly onto your feet when it becomes necessary to stomp around outside the tent for a while. It's especially nice if what you have to pull on is a pair of **Modular Mukluks.™** At less than 8 ozs per pair (**with** their removable EVA insoles) they are light and compact enough to have been brought along in the first place. With their Cordura bottoms they won't slip around on the snow. And with the Cinch-Strap across the ankle they won't slip around on the feet.

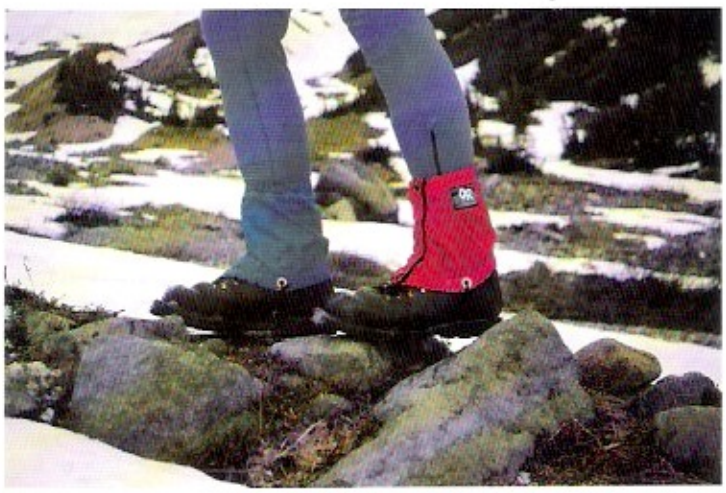
The modular nature of these mukluks means that they can be worn with our cushy, double-thick **MoonLite Pile Sox,** with down socks, or with whatever combination of socks a person happens to have along. Also, the EVA insoles can easily be pulled out so that booties having their own thick soles can be worn inside. As always we endeavor to make our products as versatile as possible.

ROCKY MOUNTAIN HIGH™ GAITER

As soon as **Crocodiles** became popular Rick Stoner, Scott Andrews, and certain other OR sales reps began to beat me up to design a cheaper gaiter for people who didn't require such long-term durability. I tried several times, but only recently was I able to create a gaiter that was both high quality and significantly less expensive then Crocs. The **Rocky Mountain High™** is a trim-fitting, front opening gaiter with 1″ elastic all around the bottom so that it will fit a **very** wide range of boot sizes. The full front opening utilizes 1″ hook and 1″ loop and provides several benefits: easy access to shoelaces and socks; no zipper to jam or break; and no gaps along the side that could allow snow to be forced up under the bottom edge. In addition, these gaiters can be put on fast since the front-opening design means that it is unneccessary to re-tie the instep cord each time. The low end of the opening is anchored by a snap—not an ordinary snap but a Pull-The-Dot Snap, so that it will never open up unintentionally. The top sports our usual strap and buckle arrangement for maximum comfort and bombproof resistance to slipping. The foot section is constructed from 8-oz packcloth. This is only about half as durable as on Crocodiles, but it does allow us to offer a much greater selection of colors! As with Crocodiles, Rocky Mountain High Gaiters are available with leg sections made from either Taslan Gore-Tex or uncoated packcloth.

ROCKY MOUNTAIN LOW™ GAITER

It just had to be, didn't it? This one is designed to keep scree and snow from invading boot tops on warm-weather hikes and climbs. It will also be useful on many cross-country ski outings in the tracks or on snow that isn't terribly deep. The elasticized bottom edge and the front opening system are identical to those on the Rocky Mountain High Gaiter. The top on this one is also elasticized. The fabric is uncoated packcloth.



BASIC MITT SHELLS

As you might surmise, these are the most basic mitts in our lineup. The intent here is to provide people with fairly simple but high-quality Gore-Tex shells that they can pull on over any wool mittens or pile gloves that they already own. Though they are cut on the same trim-fitting patterns as our Modular Mitts, **Basic Mitt Shells** have been simplified by leaving off the velcro-in feature and by substituting a single layer of 11-oz Cordura for the dual layer Tuff-Grip/nylon oxford cloth combination employed on the palms of Modular Mits. They do have the same convenient Cinch-Strap adjustment at wrist and cuff as appears on Modular Mitts. They also have the same loops for attaching wrist leashes.

IDIOT CORDS

That's what they're usually called. We offer this packaged pair of wrist leashes as an add-on for our Basic Mitts, our Kids mitts, or for any mitts that a person might wish to restrain in the face of gravity's continual attempt to take them away. Each leash has a toggle that is slid up against the wrist after slipping the wrist through the leash, so that the mitts can be temporarily removed at times when fingertip dexterity is required without fear that they will fall off of the chairlift or slide down the mountain.

KIDS MITTS

We have scaled our Basic Mitt Shells down to Children's sizes and created little Moonlite Pile inner mitts to go with them. The result is a top-quality mitten system for kids. The Gore-Tex shells with Cordura palms will keep their hands **much** drier than typical children's mittens. Even four-year-olds catch on quickly to the Cinch-Strap adjustment at wrist and cuff, so there is at least some chance that they will keep the cuffs closed up and the snow out. Since the pile liners are removable, they can be dried rapidly if a child does manage to get them wet. And they are easily replaced if lost or if they wear out. The range of sizes offered (S, M, L) joins smoothly onto the size range of Basic Mitt Shells, so a small adult whose hands would swim around in size S adult mitts now has a desirable alternative.

MODULAR MITTS™

After their introduction in early 1985 **Modular Mitts™** rapidly gained recognition as the finest mitts made. They quickly became very popular for skiing, climbing, and all sorts of other cold-weather activities. The key to their immediate success was the fact that they were the first **mitten system.** Carrying the removable insulation idea over from our supergaiters to mitts, Randy King, our VP, suggested that we design mitts with interchangeable pile insulation. He further suggested that the pile liners velcro in place so they wouldn't slop around inside the shells during use. Great idea! After a lot of hassle at the design table, some valuable input from Fred Williams at Moonstone, and a few months of testing, we had an actual state-of-the-art mitten system.

The elements of the system are two mitten shells and two polyester pile liners. The shells are either Taslan Gore-Tex* or uncoated pack cloth. The liners are either single-thickness or double-thickness Moonlite Pile*. The mitten shells may be worn over bare hands or over either of the liners to provide exactly the amount of insulation desired. Since the pile liners velcro in place, changing from one to another is trivial, and the shell and liner flexes as a unit. This feature, combined with the form-fitting cut of every component, endows Modular Mitts with an unusually high level of comfort and dexterity. It also provides an additional important benefit: mitten linings invariably wear out far faster than the shells, and in this case the liners, which are cheap, can be replaced without buying whole new mitts, which are expensive.

Beyond the innovation of the basic concept, these mitts are replete with useful features: The palm is a layer of Tuff-Grip (for the ultimate in secure grip on ice tools or ski poles) backed by a layer of super-coated nylon cloth (for waterproofness that will far outlast that of ordinary mitts). The gauntlets are extra long to keep snow out. Adjusting straps are provided across the back of the hand and at the end of the gauntlet. And a removable, adjustable leash on each shell keeps them from being lost when they're pulled off temporarily.

All-in-all, **Modular Mitts** offer high levels of comfort, fit, durability, and versatility. After he and his teammates wore them to the top of Gasherbrum IV, here's what Greg Child had to say:

> "Everyone felt that the mitts were the warmest they'd ever used. We had temperatures of -25 degrees fahrenheit and stayed quite warm. The reinforced palm was more durable than you said, surviving thousands of feet of rappelling before signs of wear hit."

Mitt Size	Palm Circumference (just below knuckles)
XL	9¼"-10"
L	8½"-9¼"
M	7¾"-8½"
S	7" -7¾"

*Gore-Tex is a trademark of W.L. Gore & Assoc.
Moonlite Pile is a trademark of Moonstone Mountaineering

EXPEDITION MODULAR MITTS™

As far as I can tell these are the most sophisticated mitts available in the world today. This is not accidental. I went to a great deal of effort to design the shapes of the many pieces that comprise the various layers of this mitten system so that each layer would closely follow the contours of the hand in its rest position. The layers are differentially cut, of course, and the backs of both the single and double liners have an extra layer of pile to provide increased warmth without adding bulkiness in the palm. The resulting strongly-curved boxed construction provides a high level of insulation while minimizing the effort required to grip ice tools or ski poles. The pronounced curvature, combined with the rather complex form-fitting thumb and the fact that the tip of each liner velcros in place, also gives these mitts an amazing level of comfort and dexterity.

Expedition Modular Mitts™ retain all of the primary features of standard **Modular Mitts™** including Gore-Tex shells, velcro-in Moonlite Pile liners, dual-layer Tuff-Grip/oxford cloth palms, Cinch-Strap adjustment at wrist and cuff, and removable wrist leashes. In addition, there is a thin layer of an extremely effective energy-absorbing foam in the back of each liner to protect the knuckles from bashing against the ice.

If I haven't convinced you by now that these mitts are as sophisticated as mitts get, you'd better take a pair somewhere really **cold** and put them through their paces. If you still aren't convinced after that, we'll buy them back.

Sizing for these mitts is the same as for regular Modular Mitts (in the chart above). If a person wants to wear thick wool or pile gloves inside for arctic or high-mountain use, then they should use the next size up from their usual size. Which is why we make size XXL for the guys with big hands.

Lance Young in the Ruth Amphitheater near Mt. McKinley

A HAT FOR ALL SEASONS™

Fully-adjustable size. That's what makes a modular hat possible. A hat that's warm enough when it's well below zero. But not too warm when it's just a bit nippy. A hat that always fits exactly right, with or without insulation inside. A hat that sits lightly on the brow when the weather is calm, but can be snugged down for windy days. **A Hat For All Seasons.**

Our **Cinch-Band** internal adjustment band (patent #4,845,782) is the system that provides these hats with fully-adjustable size. As can be seen in the photo below, it consists of a full head band in a tunnel, with hook on one end of the band where it comes out of the tunnel, and loop on the other end. Varying the amount of overlap of the hook and the loop allows for a very wide range of hat size adjustment. The full-circumferential head band and the continuous adjustability at the ends means that the hat always feels extremely comfortable. Even on people like me who normally hate hats!

The two elements of this modular hat are the Gore-Tex shell and the Moonlite Pile Liner. As always, the individual parts are available separately. Folks will often wish to wear the shell hat alone, and it can of course be worn over watch caps and ski hats that they already have.

Though the Cinch-Band is the most important innovation in A Hat For All Seasons, it is by no means the only one. In fact this hat sports a host of advanced features:

- Seam-sealed Taslan Gore-Tex shell.
- Dryline* hydrophobic-polyester/hydrophilic-nylon bi-component lining fabric. This high-tech but wonderfully-comfy material promotes rapid exhaust of moisture through the Gore-Tex. In addition, the soft, fuzzy side of this terrific fabric feels relatively dry even when the lining is wet! It has to be felt to be believed.
- Earflap-snugger system: pull the cord throught he toggle just a little bit while wearing the hat and it snugs the ear flaps right in around the ears. Again, you have to try it to appreciate how great this little feature is.
- Removable chin strap: bombproof hat restraint for high winds and high-speed skiing that tucks away in your pocket (rather than flapping around your face) when not needed.
- Plastic stiffener in the bill keeps its shape even after the hat is crammed into pockets or packs. It also allows the bill to be flipped up or down as desired.

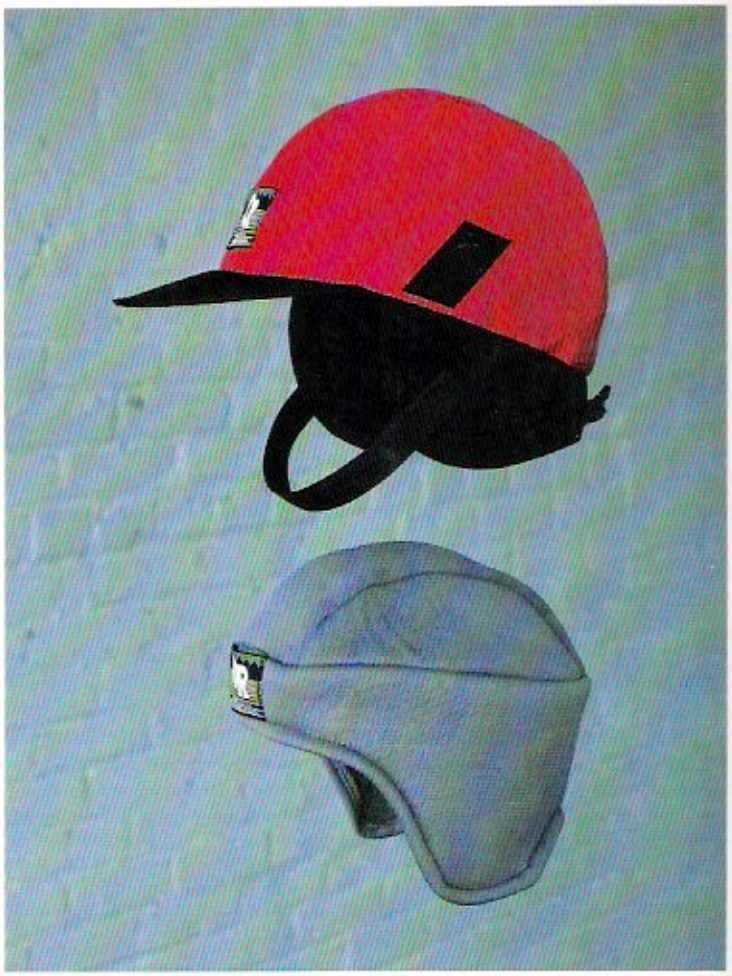
Compared to the level of technology applied to outdoor clothing, hats have been sadly neglected. No longer. Not with **A Hat For All Seasons.**

At this writing, the hat shell is available in six color combinations: Red Gore-Tex with black pack-cloth bill and ear flaps, Royal Blue with black, Royal Blue with turquoise, Grey with black, all Grey, and all Black.

Hat Size	Head Size	Head Circumference
XL	7½ - 7⅞	23½ - 24¾
L	7¼ - 7½	22¾ - 23½
M	7 - 7¼	22 - 22¾
S	6¼ - 7	19½ - 22

*Dryline is a trademark of Milliken & Co.

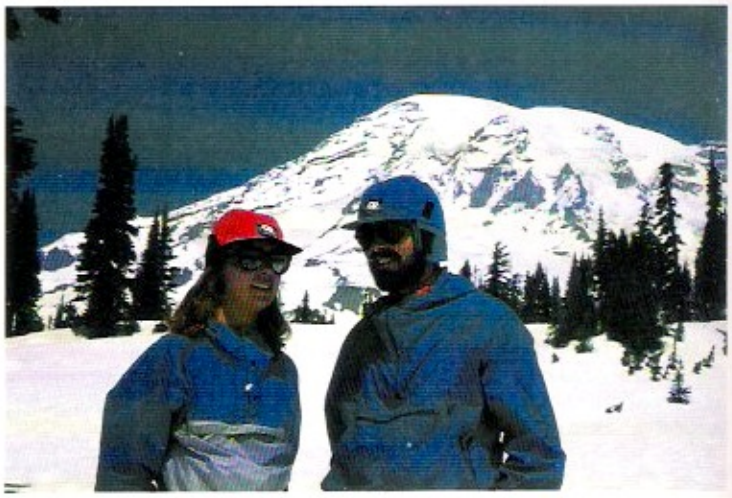
The World's First Modular Hat System



MOONLITE PILE LINER

Designed to be the perfect cold-weather component in A Hat For All Seasons, our **Moonlit Pile Liner** can also be worn by itself in milder conditions. It also makes a great helmet liner for climbing or paddling helmets. And it's the perfect lightweight layer to wear under parka hoods when the weather really turns nasty.

The Liner is constructed from Moonlite Pile for super-fast drying and high insulation-to-weight ratio. The helmet shape prevents the cap from crawling up off of the ears like so many watch caps and ski hats do. And allows the ear flaps to be conveniently folded up when the ears are too warm. It also has two slots at the back that the ends of the Cinch-Band can be inserted through when it is used as part of A Hat For All Seasons; (another patented feature).



SONORA SOMBRERO™, SIERRA™ CAP, & SAFARI™ CAP

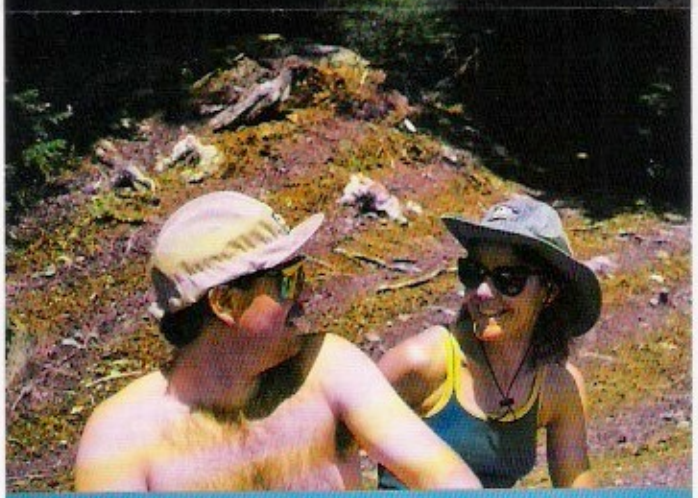
Though each of these hats has its own particular style and individual advantages, they have several important features in common that make them superior performers when it comes to protecting the head from attack by the sun. The fabric used for all three is one of those tricky blends of Cordura and high-filament-count nylon yarns that feels similar to cotton but dries about 4 times faster and lasts about 10 times longer. This fabric is highly permeable, and the hats are unlined, so they are just as cool as possible. They all adjust in size via our internal Cinch-Band adjusting system, so each hat always fits exactly right. In each hat the Cinch-Band is carried inside a 1¼″-wide tunnel made from Dryline, which makes a very comfortable and fast-drying sweatband.

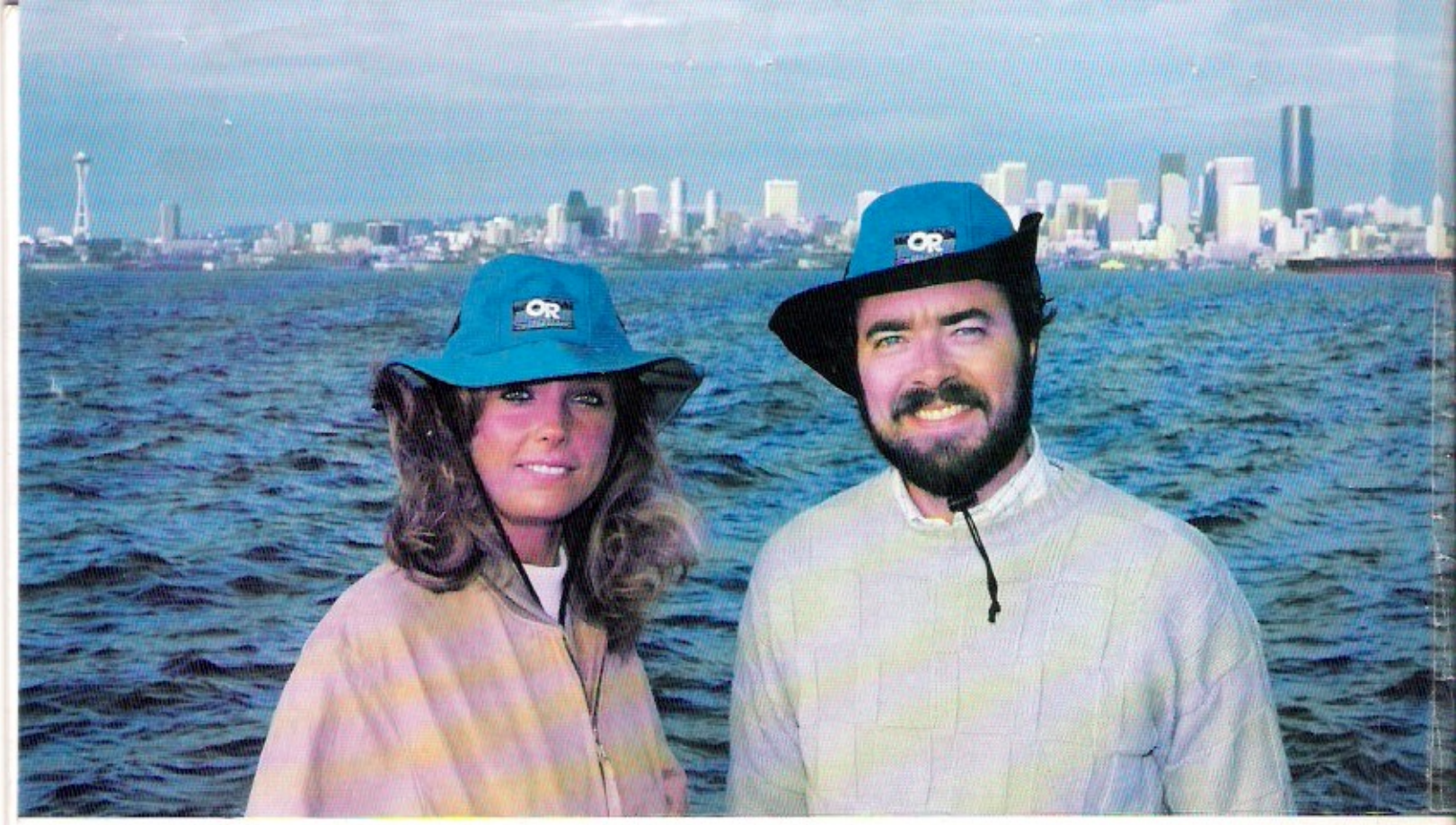
Now for individual characteristics. The **Sonora Sombrero™** was obviously inspired by the **Seattle Sombrero™** and uses the same foam-stiffened brim which can be velcroed up Aussie-style or cowboy-style. It comes with a removable drawstring which can be cinched up under the chin to restrain the hat in high winds. This also allows one to push the hat off of the head and down onto the upper back.

The **Sierra™ Cap** is basically a high-tech baseball cap. The Cinch-Band allows much finer size adjustment than the button system on normal baseball caps. This makes for greater comfort, especially when one is cinching it down tight for high-speed skiing or biking. As with **A Hat For All Seasons™**, the plastic-stiffened brim can be flipped up or down. These features, and the fact that it is very light weight and fast drying, make it a great hat for river trips, and for all sorts of boating for that matter.

The **Safari™ Cap** is identical to the Sierra Cap except that it sports a removable skirt for shading the neck and ears when out on a glacier or tromping through the burning desert. The skirt is made in three sections for better fit and to enhance air circulation. It velcros off so that the hat can be used in simple baseball cap mode.

colors: blue denim, khaki





SEATTLE SOMBRERO™

In the Northwest there are **many** times when a rain hat is appropriate —backpacking in the Olympics, kayaking in the San Juan Islands, sailing on Puget Sound, or just strolling around the grounds near the Space Needle. We wanted to develop a hat that would be a pleasure to wear in all these different circumstances. And we believe we've succeeded. In the **Seattle Sombrero™** we have combined the latest in fabric technology with several design innovations to create a rain hat that is more sophisticated than any other.

Completely-adjustable hat size is the crucial feature here. It's done with our unique Cinch-Band internal adjustment system, which is described in detail under **A Hat For All Seasons** on the previous page. This means that the Sombrero always fits **exactly** the way you want it to. It can be adjusted tighter when the wind is blowing and looser if you want to wear some insulation under it. As a bonus, the Cinch-Band system keeps the hat's outer shell out away from your head. This not only makes the hat feel more comfortable, it also allows considerable air circulation. The air circulation helps carry away moisture and helps keep your head from becoming too warm.

The crown is made from seam-sealed Gore-Tex so that it sheds rain while passing perspiration. The lining is made from Dryline bi-component fabric that quickly spreads moisture out over a large surface area to promote rapid exhaust through the Gore-Tex shell. This amazing technical fabric works very well indeed, and, better yet, it feels extremely comfortable. The hat brim is long in back to prevent water from running down your neck, and it can be velcroed up on one side (Aussie-style) or both sides (cowboy-style) when drier conditions or considerations of style warrant it. There's even a removable drawstring under the chin to restrain the hat in high winds. All in all we're confident that the Seattle Sombrero is the most comfortable, most versatile rain hat made.

The Seattle Sombrero is made in 4 sizes to accommodate virtually every adult on the planet. Sizing is the same as that shown for A Hat For All Seasons at the bottom of page 22.

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